

the TV and video area applications, among other applications, and prevent battery drain. It would be advantageous to be able to watch a TV broadcast on TV application devices even while the terminal keys are locked or in a safe mode when a keypad lock function.

[0015] The user interface for mobile TV technology can have several different states that constantly change without the need for any user interaction. In different states, the user can execute different interactions that are important for the current state of the user interface. The changes in functionality that correspond to a specific state are handled in different ways in different devices. In some cases there are fixed hardware keys and option menu items that are configured to execute the functionality corresponding to the specific state of the user interface. Hardware keys are generally not a preferred solution because there are a limited number of such keys on a device and an options menu is not a convenient solution for long-term usage. It would be advantageous to be able to change functionality of the middle soft key of the device on which the mobile TV application, and its label, in reaction to changes in content. It would also be advantageous to have the label of the soft key and the corresponding function represented by the middle soft key change to correspond to the state that is currently active on the application.

[0016] A mobile TV application can be opened so that a user selects a channel that is desired to be watched. The channel selection must be as smooth as possible to ensure flawless interaction between the user and the mobile TV application. Because the loading of a TV channel in handheld terminals can take a period of time, depending on the technology being used, presenting the currently running content of a channel can be important to the ease of use of the device and the application. Presently, the content of a mobile TV channel is not visible to the user before the channel is selected and opened. If the content of the channel is not visible before selection of the channel, opening the mobile TV application and finding a desired program can take an undesirable amount of time. This can make the application cumbersome for the user. It would be advantageous to provide a user friendly way to allow a user to open a mobile TV application, preview and select a desired channel.

[0017] Mobile TV broadcasts can include several types of channels configured by the service provider. Some can be considered “free” channels, while others are “pay” channels. The “pay” channels require a purchase payment prior to the content or program being available to be viewed. The user interaction to execute the channel/program purchase process is essential to the purchase process. With a smooth interaction process, the user can easily make the purchase and more channels and programs might be made available in this fashion. With a poor or cumbersome interaction process, the whole interaction is endangered, since a user will not be inclined to attempt the purchase. Many systems require contacting a live operator or multiple user interaction steps in order to purchase a program on a channel.

[0018] For example, in some applications, the content of a TV channel, which is not purchased, will display a blank screen with text guidance to access an options menu where user can execute the steps to purchase the channel. The purchase must always be executed from the options menu and the item may not easily be found because menu structures can be complicated in wide application areas. It would be advanta-

geous to provide a simplified and easy way for a user of a mobile TV application device to select and purchase a “pay” channel program.

SUMMARY

[0019] The aspects of the disclosed embodiments are directed to at least a method, apparatus, user interface and computer program product. The aspects of the disclosed embodiments include providing an electronic program guide that presents content programming information for one or more program channels on a broadcast TV device; detecting a selection of a program block in the electronic program guide, the selected program block corresponding to a program scheduled on a program channel; and providing a program indicator block corresponding to the selected program block, the program indicator presenting detailed programming information related to the scheduled program including any program reminder or program recording state setting.

BRIEF DESCRIPTION OF THE DRAWINGS

[0020] The foregoing aspects and other features of the embodiments are explained in the following description, taken in connection with the accompanying drawings, wherein:

[0021] FIG. 1 shows a block diagram of a system in which aspects of the disclosed embodiments may be applied;

[0022] FIG. 2 illustrates an exemplary device application on which aspects of the disclosed embodiments can be practiced;

[0023] FIG. 3 illustrates a block diagram of the architecture of an exemplary user interface incorporating aspects of the disclosed embodiments;

[0024] FIG. 4A1 is an exemplary screen shot of aspects of the disclosed embodiments;

[0025] FIGS. 4B1-4B6 illustrate exemplary screen shots of aspects of the disclosed embodiments;

[0026] FIG. 4C is a flowchart illustrating an aspect of the disclosed embodiments;

[0027] FIGS. 4D1-4D5 illustrate exemplary screen shots of aspects of the disclosed embodiments;

[0028] FIG. 4E illustrates an exemplary screen shot of aspects of the disclosed embodiments;

[0029] FIG. 4F illustrates an exemplary screen shot of aspects of the disclosed embodiments;

[0030] FIG. 4G illustrates an exemplary screen shot of aspects of the disclosed embodiments;

[0031] FIG. 4H illustrates an exemplary screen shot of aspects of the disclosed embodiments;

[0032] FIGS. 4I1-4I6 illustrate exemplary screen shots of aspects of the disclosed embodiments;

[0033] FIGS. 5A-5B illustrate exemplary screen shots of an aspect of the disclosed embodiments;

[0034] FIGS. 6A and 6B are illustrations of exemplary devices that can be used to practice aspects of the disclosed embodiments;

[0035] FIG. 7 illustrates a block diagram of an exemplary system incorporating features that may be used to practice aspects of the disclosed embodiments; and